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David H. Brinkman
David H. Brinkman, Reg. No. 40,532 Date 6/10/05

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Michael Kuhl et al.	
Patent No.	6,861,616 B1	
Issue Date:	March 1, 2005	Certificate
Serial No.:	09/806,410	JUN 15 2005
Filed:	September 5, 2001	
Examiner:	Samuel M. Heinrich	of Correction
Title:	DEPTH MEASUREMENT AND DEPTH CONTROL OR AUTOMATIC DEPTH CONTROL FOR A HOLLOW TO BE PRODUCED BY A LASER PROCESSING DEVICE	
Our Ref:	BEET-03	

Cincinnati, Ohio 45202

June 10, 2005

Certificates of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO AND APPLICANTS' MISTAKES**

It is respectfully requested that a Certificate of Correction be issued for the patent identified in the heading. The patent contains errors that occurred through the fault of the Patent Office and Applicants and also contains errors of a clerical, typographical nature.

This request is made under 17 C.F.R. § 1.322 and § 1.323 to correct various mistakes. The patent shows that Applicants' mistakes were made in good faith. A check for \$100.00 for the fee set forth in Rule 1.20(a) is enclosed.

On the cover page, (22) PCT Filed:, change "Sep. 30, 1999" to --Sep. 30, 1998--, as shown on Published Application No. WO 00/19167, published on April 6, 2000.

In column 1, line 9, change "produced by al laser processing device." to --produced by a laser processing device.--.

In column 1, line 23, change "is generally noi spherical," to --is generally not spherical," as shown in the specification on page 1, line 15.

In column 1, line 24, change "So-called $F\theta$ lenses are corrected" to --So-called $F\theta$ -lenses are corrected", as shown in the specification at page 1, line 16.

In column 1, line 30, change "range of about 100 sum." to --range of about $100\mu\text{m}$.--, as shown in the specification at page 1, line 20.

In column 2, line 40, change "noted here that the applicant has" to --noted here that applicants have--.

In column 3, line 17, change "layers by S_{i+} ." to --layers by S_{i+1} .--, as shown in the specification at page 4, line 19.

In column 3, line 26, change "to be processed. i.e. the bottom of" to --to be processed, i.e. the bottom of--, as shown in the specification at page 4, line 27.

In column 3, line 28, change "lines IO1a indicate" to --lines 101a indicate--, as shown in the specification at page 4, line 28.

In column 3, line 33, change "of the next layer $S_i + 1$." to --of the next layer S_{i+1} .", as shown in the specification at page 4, line 32.

In column 3, line 58, change "are provided, for example for laser" to --are provided (for example for laser--, as shown in the amendment filed on April 8, 2004, at page 2, line 19.

In column 3, line 59, change "68 denoted functions corresponding to" to --68 denotes functions corresponding to--.

In column 5, line 23, change "The boundary x_g for the removal" to --The boundary x_g for the removal--, as shown in the specification at page 7, line 18.

In column 5, lines 25-26, change "a dz will lead to a dx_g ." to --a d_z will lead to a dx_g --., as shown in the specification at page 7, line 20.

In column 5, line 28, change "layer x_g (and correspondingly y_g) can" to --layer x_g (and correspondingly y_g) can--, as shown in the specification at page 7, line 22.

In column 5, line 36, change "change of x_g and y_g ." to --change of x_g and y_g --, as shown in the specification at page 7, line 27.

In column 5, line 39, change "horizontal boundaries x_g , y_g " to --horizontal boundaries x_g , y_g --, as shown in the specification at page 7, line 29.

In column 5, line 46, change "From said data the boundaries x_g , y_g " to --From said data the boundaries x_g , y_g -- as shown in the specification at page 7, line 34.

In column 5, line 52, change "removal boundaries x_g , y_g ." to --removal boundaries x_g , y_g --, as shown in the specification at page 8, line 1.

In column 6, line 20, change "103 denotes a plateau under consideration" to --103 denotes a plateau. Under consideration--, as shown in the amendment filed on April 8, 2004, at page 3, line 13.

In column 6, line 22, change "may be determined, if, on the other hand," to --may be determined. If, on the other hand--, as shown in the amendment filed on April 8, 2004, at page 3, line 15.

In column 6, line 31, please add the following text "The offset corresponds to $\Delta x = v_x \cdot t_R$ and is therefore absolutely included in the range of the observed accuracies (e.g. $v_x = 01$ m/s, $t_R = 0,5$ ms, $\Delta x = 50 \mu\text{m}$). To compensate such disadvantageous effects it may be desirable to store measured values for the depth z and to take them into consideration later. This may lead to control overlapping or underlying the automatic control depending on the stored

depth data.", as shown in the amendment filed on April 8, 2004, at page 4, lines 1-5.

In column 6, line 43, change "FIG. 7 the density of the density of the measuring points" to --FIG. 7 the density of the measuring points--, as shown in the specification at page 9, line 13.

In column 6, line 48, change "levelling out said irregularL ity" to --leveling out said irregularity--.

In column 6, line 50, change "Owing to the a priory" to --Owing to the a priori--.

In column 6, line 53, change "in the case of plateaux, towards" to --in the case of plateaus, towards--.

In column 7, line 20, change "of the applicant." to --of the applicants--.

In column 7, line 43, claim 2, change "(Dz) of a removed layer (S_i)" to --(Δz) of a removed layer (S_i)--, as shown in the amendment dated April 8, 2004, on page 11, line 15.

In column 7, line 45, claim 2, change "the boundaries (x_g , Y_g) in" to --the boundaries (x_g , y_g) in--, as shown in the amendment dated April 8, 2004, on page 11, line 16.

In column 7, line 47, claim 2, change "thickness (Dz)." to --thickness (Δz).--, as shown in the amendment dated April 8, 2004, on page 11, line 18.

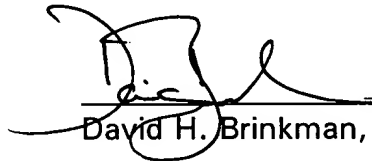
In column 8, lines 47-48, claim 9, change "characterized in accordance" to --characterized in that a correction is made in accordance--, as shown in the amendment dated April 8, 2004, on page 14, line 2.

In accordance with the established procedure for handling such certificates, two copies of Form PTO-1050 (Rev. 2-93) are enclosed herewith listing the errors.

Should any additional fees be required, authorization is hereby given to charge such fees to Deposit Account No. 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.



David H. Brinkman, Reg. No. 40,532

2700 Carew Tower
441 Vine Street
Cincinnati, Ohio 45202
(513) 241-2324 - Voice
(513) 421-7269 - Facsimile

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,861,616 *B1*

DATED : March 1, 2005

INVENTOR(S) : Michael Kuhl

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the cover page, (22) PCT Filed:, change "Sep. 30, 1999" to --Sep. 30, 1998--, as shown on Published Application No. WO 00/19167, published on April 6, 2000.

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In column 2, line 40, change "noted here that the applicant has" to --noted here that applicants have--.

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In column 3, line 28, change "lines IOla indicate" to --lines 101a indicate--, as shown in the specification at page 4, line 28.

In column 3, line 33, change "of the next layer S_{i+1} ." to --of the next layer S_{i+1} .", as shown in the specification at page 4, line 32.

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WOOD, HERRON & EVANS, L.L.P.
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PATENT NO. 6,861,616

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JUN 16 2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,861,616 ^{B1}

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PATENT NO. : 6,861,616 B1

DATED : March 1, 2005

INVENTOR(S) : Michael Kuhl

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In column 6, line 31, please add the following text "The offset corresponds to $\Delta x = v_x \cdot t_R$ and is therefore absolutely included in the range of the observed accuracies (e.g. $v_x = 01$ m/s, $t_R = 0,5$ ms, $\Delta x = 50 \mu\text{m}$). To compensate such disadvantageous effects it may be desirable to store measured values for the depth z and to take them into consideration later. This may lead to control overlapping or underlying the automatic control depending on the stored depth data.", as shown in the amendment filed on April 8, 2004, at page 4, lines 1-5.

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In column 7, line 43, claim 2, change "(Dz) of a removed layer (S_i)" to --(Δz) of a removed layer (S_i)--, as shown in the amendment dated April 8, 2004, on page 11, line 15.

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In column 8, lines 47-48, claim 9, change "characterized in accordance" to --characterized in that a correction is made in accordance--, as shown in the amendment dated April 8, 2004, on page 14, line 2.

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